



CVTEMP

Central Valley Temperature Mapping and Prediction (CVTEMP)



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Fisheries
Science
Center*

Home Page @ oceanview.pfeg.noaa.gov/CVTEMP

Note: website has text describing models, sources of data, and other pertinent information

CVTEMP

[About CVTEMP](#)

[Watershed Model](#)

[Reservoir Model](#)

[River Model](#)

[Meteorology](#)

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BETA - Web Site Under Development

This website is the public interface for modeled and observed water temperature and flow data for the Sacramento River associated with Shasta Reservoir, Bureau of Reclamation, NASA, and NOAA Fisheries.

Model Stations and Regions

Sacramento River Gage Stations:

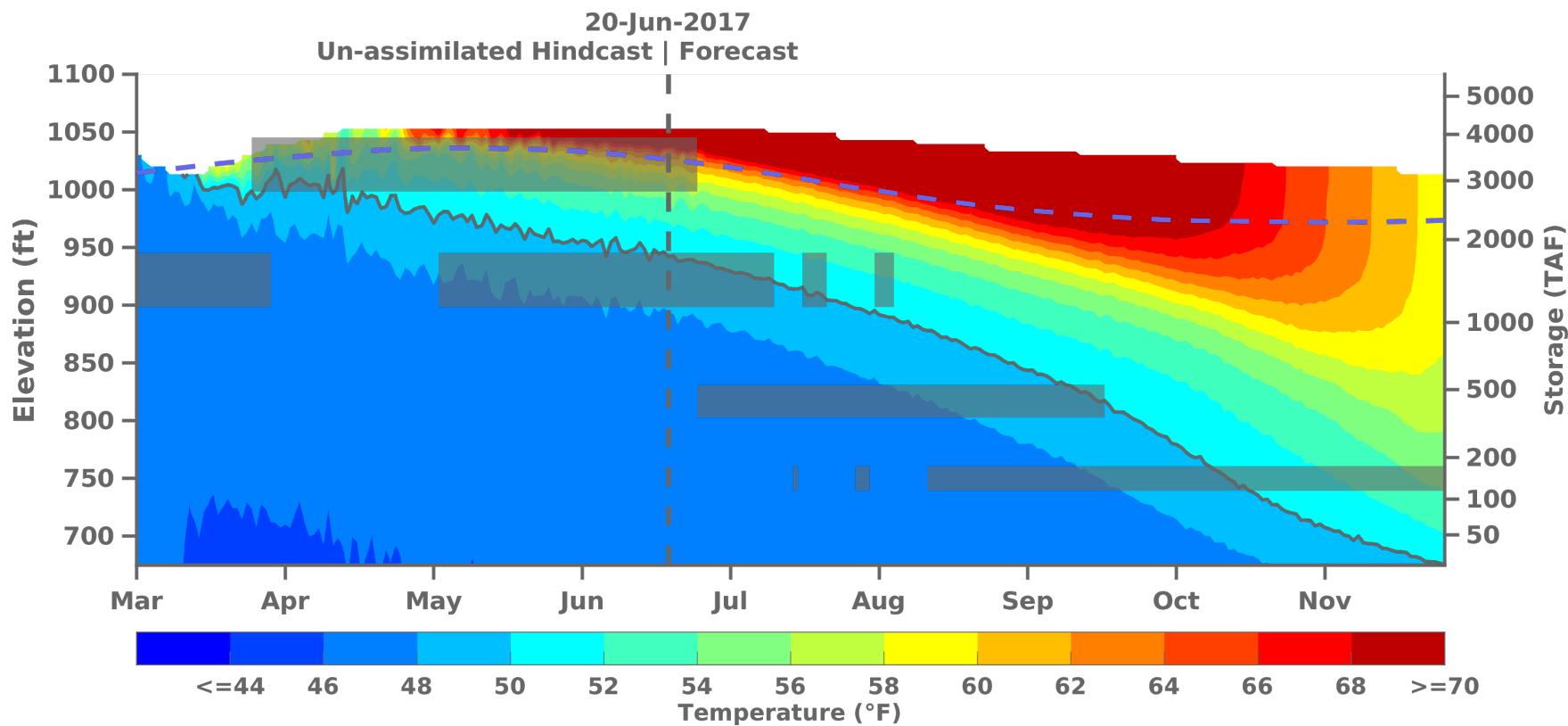
- A. SAC (SAC)
- B. Above Clear Creek confluence (CCR)
- C. Airport Road (AND)
- D. Balls Ferry (BSF)
- E. Jellys Ferry (JLF)
- F. Bend Bridge (BND)
- G. Red Bluff (RDB)

Sacramento River Model Regions (check to highlight):

- Sacramento River below Keswick Dam
- Shasta Reservoir
- Keswick Reservoir
- Watershed
- Sacramento River above Shasta Reservoir
- McCloud River
- Pit River
- Squaw Creek

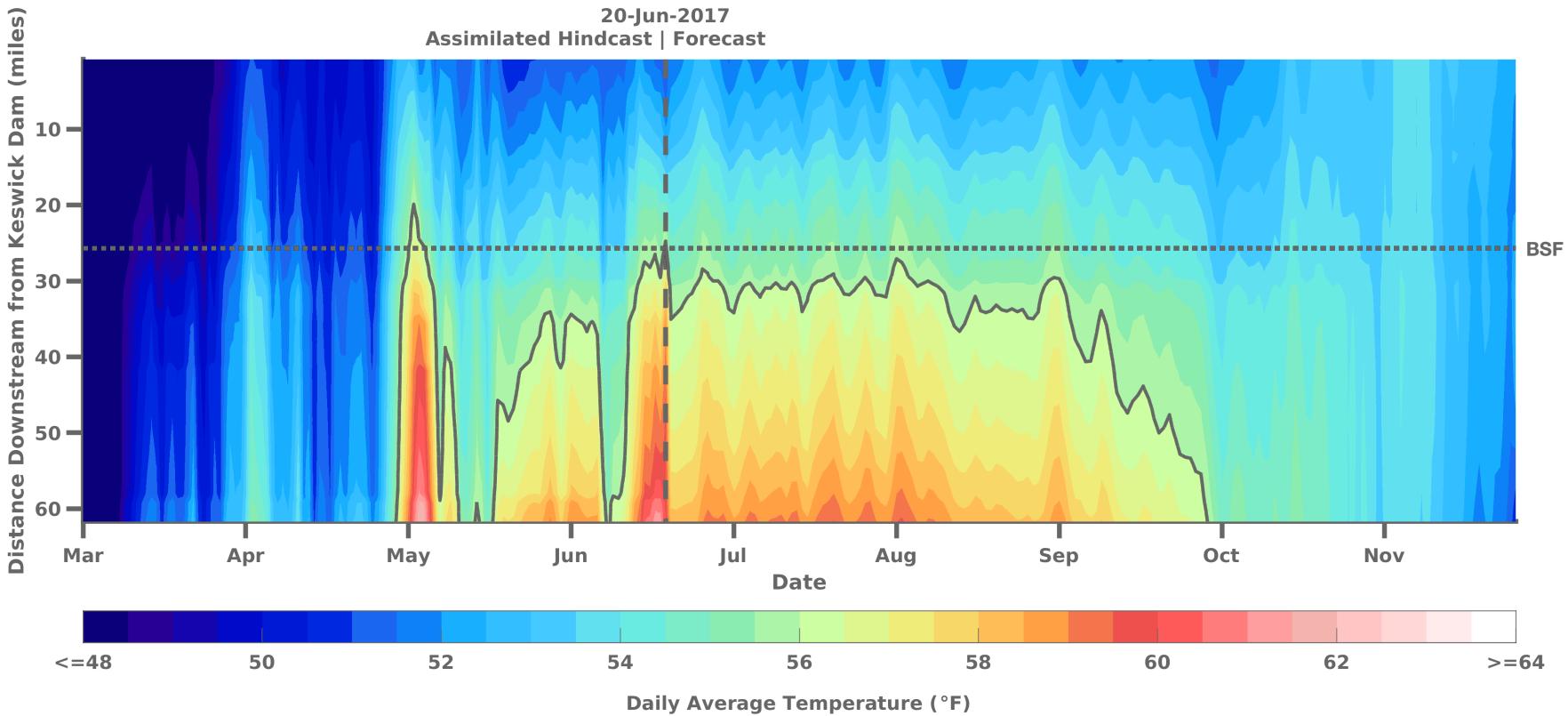
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Shasta Reservoir Vertical Temperature Profile



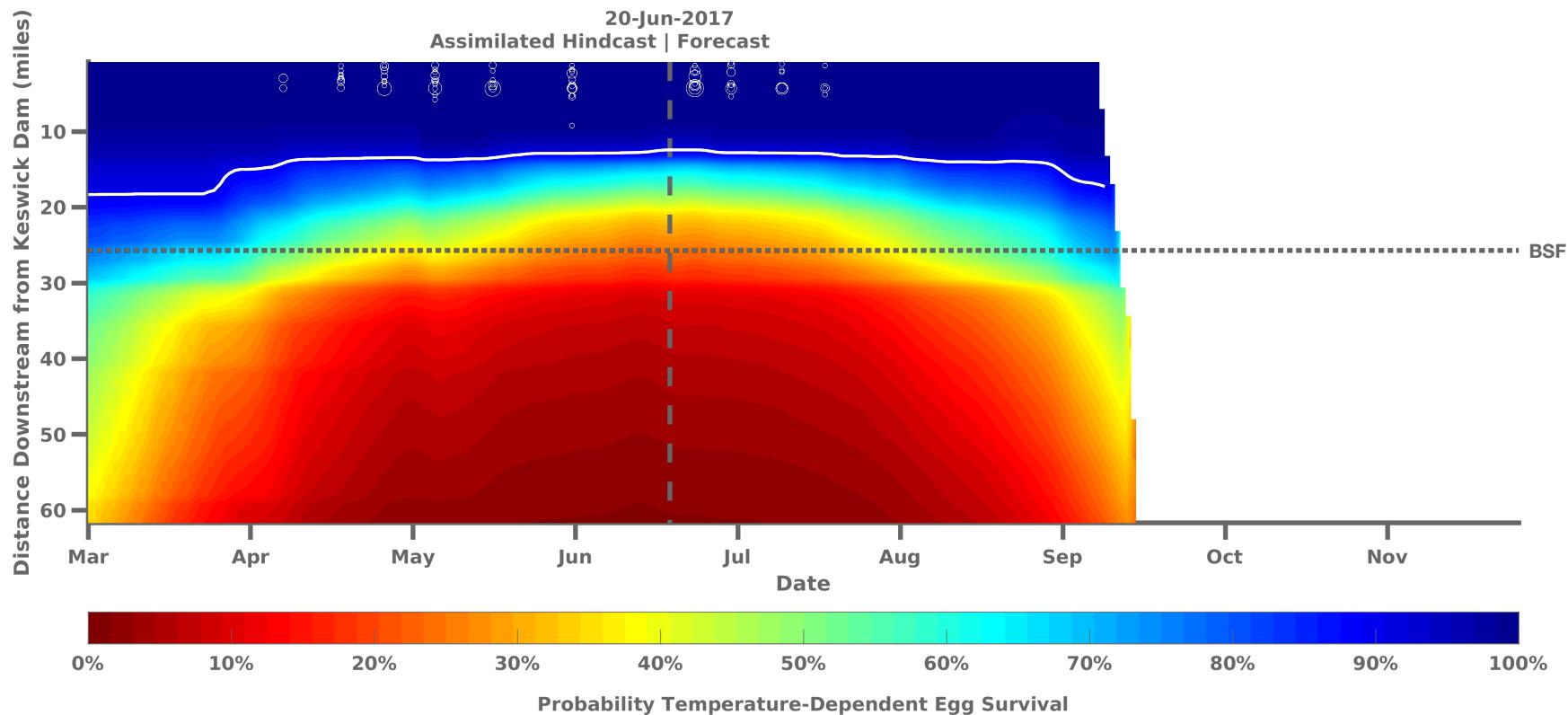
- Plot layers highlight:
 1. Vertical temperature distribution
 2. Reservoir storage (cold-pool and total)
 3. Reservoir operations of temperature control device

Sacramento River Temperature Landscape



- Plot layers highlight:
 1. Longitudinal temperature distribution (Keswick to Red Bluff)
 2. Temperature contours
 3. River stations

Winter-Run Egg Survival Landscape



- Plot layers highlight:
 1. Temperature-dependent egg survival for river landscape (Keswick to Red Bluff)
 2. Survival contours
 3. Locations of redds and carcasses recovered from surveys

Winter-Run Egg Survival

Survival Table:

Run Date	Scenario Name	Model Type	Temperature-dependent mortality (%)			
			Mean	Median	Lower	Upper
06-Apr-2017	March_16_2017_INPUT_50_OUTPUT_50	USBR_NO_W2	2.48	0.79	0.34	19.63
07-Apr-2017	March_16_2017_INPUT_50_OUTPUT_50	USBR_NO_W2	2.48	0.47	0.60	19.97
08-Apr-2017	March_16_2017_INPUT_50_OUTPUT_50	USBR_NO_W2	2.32	0.62	1.00	19.63
09-Apr-2017	March_16_2017_INPUT_50_OUTPUT_50	USBR_NO_W2	2.33	0.43	0.15	19.77
10-Apr-2017	March_16_2017_INPUT_50_OUTPUT_50	USBR_NO_W2	1.94	0.43	0.70	19.42
12-Apr-2017	March_16_2017_INPUT_50_OUTPUT_50	USBR_NO_W2	2.47	0.31	0.55	19.90
13-Apr-2017	March_16_2017_INPUT_50_OUTPUT_50	USBR_NO_W2	1.87	0.53	0.70	20.00
14-Apr-2017	March_16_2017_INPUT_50_OUTPUT_50	USBR_NO_W2	1.91	0.41	0.74	19.99
15-Apr-2017	March_16_2017_INPUT_50_OUTPUT_50	USBR_NO_W2	2.40	0.52	0.39	19.34
16-Apr-2017	March_16_2017_INPUT_50_OUTPUT_50	USBR_NO_W2	2.63	0.83	0.87	19.64
17-Apr-2017	March_16_2017_INPUT_50_OUTPUT_50	USBR_NO_W2	2.67	0.35	0.94	19.32
18-Apr-2017	March_16_2017_INPUT_50_OUTPUT_50	USBR_NO_W2	2.74	0.58	0.43	19.56



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Thank you for listening!

Questions or comments?

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